

Master node

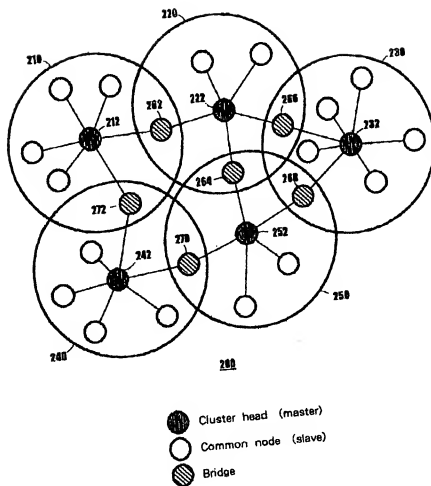


Slave node

Network components

Fig. 1

09706660.110600

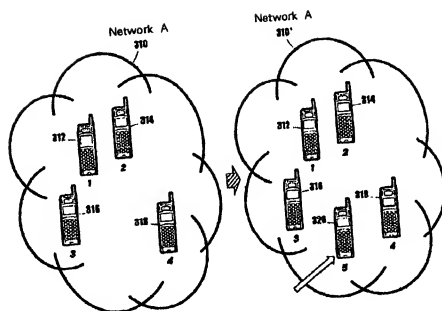


Ad hoc network configuration

Fig. 2

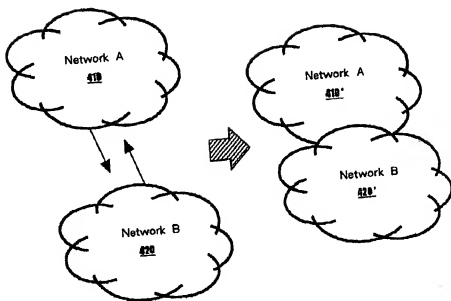
09706660.110600

09706650-110600



Case where a new node is acquired

Fig. 3

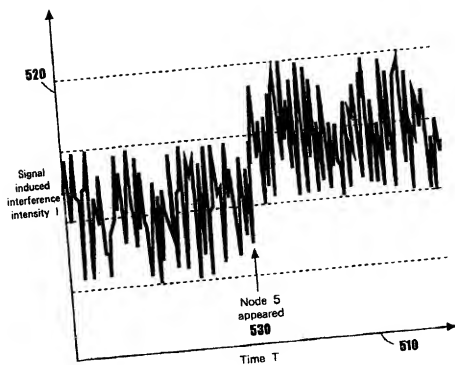


Case where two networks are approaching

Fig. 4

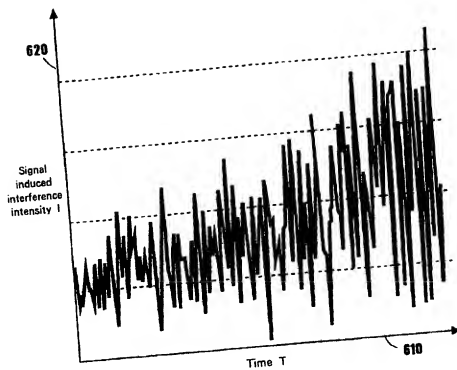
009011-09990760

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Signal induced interference intensity (new node is acquired)

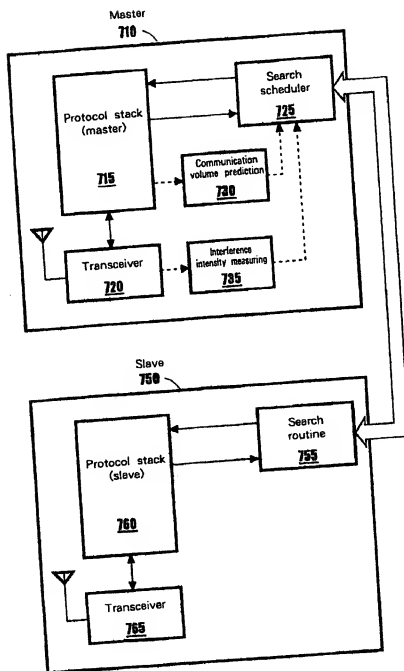
Fig. 5



Signal induced  
interference intensity  
(multiple networks are approaching)

Fig. 6

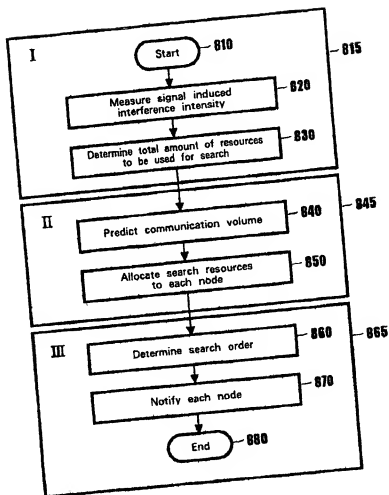
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Arrangement of network node

Fig. 7

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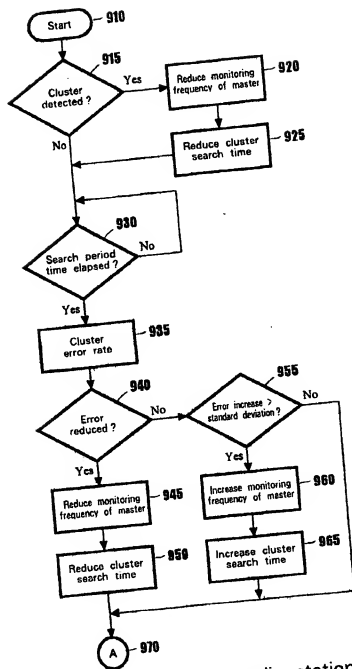


Operation of search scheduler

Fig. 8



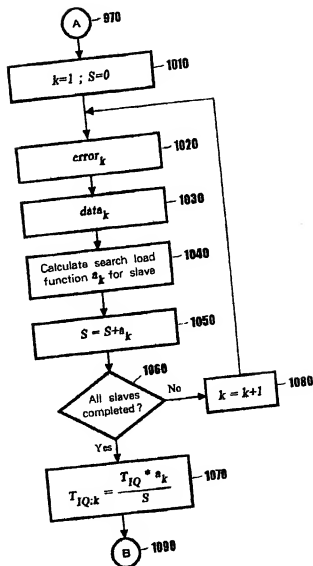
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Determination of radio station  
search times for entire cluster

Fig. 9

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$error_k$  : Error rate for slave.

$data_k$  : Predicted data rate of slave.

$a_k/S$  : Search allocation ratio for slave.

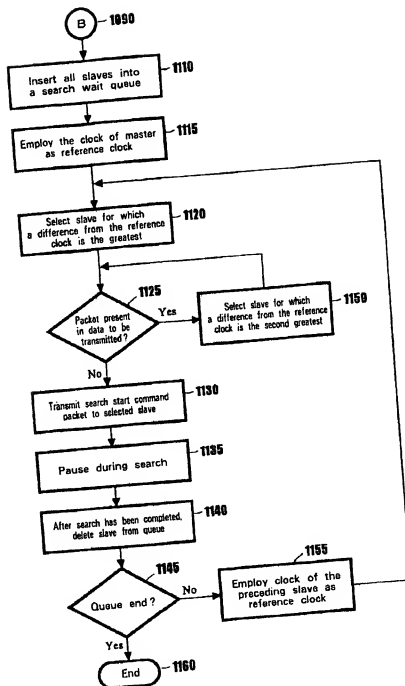
$T_{IQ}$  : Search time for entire cluster during one period

$T_{IQ:k}$  : Search time for slave. during one period

Allocation of search time for each slave

Fig. 10

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Determination of search order for slaves

Fig. 11